

ABSTRACT OF THE DISCLOSURE

A system for detecting and suppressing a fire condition in a storage unit. The system comprises a transmitter associated with the storage unit and configured to transmit a first signal upon detection of the fire condition, at least one receiver 5 configured to detect the first signal and configured to provide a second signal indicating detection of the fire condition, and a fire suppression device configured to discharge a fire suppressant material into the storage unit upon detection of the fire condition.

There may also be a plurality of storage units, a plurality of transmitters, and a plurality 10 of receivers. An individual transmitter and an individual receiver may be associated with each of the plurality of storage units. Each of the storage units may be located at a predetermined position relative to the individual receiver associated with the storage unit. The second signal from a receiver may be provided to a control panel that in response to the second signal identifies the storage unit experiencing the fire condition.

The present invention is also directed at a fire suppression and indication system for 15 use in an aircraft. The aircraft includes a cockpit, a control panel in the cockpit, and a storage area. The system includes a plurality of storage units located at predetermined positions in the storage area. a transmitter associated with each storage unit and configured to transmit a first signal upon detection of the fire condition, at least one receiver configured to detect the first signal and configured to provide a second signal 20 indication detection of the fire condition, and a fire suppression device configured to discharge a fire suppressant material into the storage unit upon detection of the fire condition.